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Practitioner's Docket No. MI22-0981

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Warren M. Farnsworth et al.

Application No.: 09/148,723 Group No.: 3729  
 Filed: September 3, 1998 Examiner: D. Tugbong  
 For: "Methods of Bonding Solder Balls to Bond Pads on a Substrate"

**Commissioner for Patents and Trademarks**  
 Washington, D.C. 20231

**ATTENTION: Refund Section, Accounting Division, Office of Finance**

**REQUEST FOR REFUND  
 (IMPROPER CHARGE OF DEPOSIT ACCOUNT)**

**I. RETURN OF REFUND REQUEST**

This is a request for a refund, with respect to the debit to Deposit Account 23-0925, shown on the statement dated September 24, 2003 for the above-identified application. A copy of the monthly statement, in which the error referred to occurs, accompanies this request. A copy of the Ex Post Declaration of Express Mailing, dated September 18, 2003, accompanies this request.

A copy of the Transmittal Form, dated September 18, 2003, accompanies this request. A copy of pages 10-12 "Remarks" section of the Response to June 18, 2003 Office Action; and a copy of the Supplementary Information Disclosure Statement dated June 18, 2003, accompanies this request and Form 1442.

**CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8(a))**

I hereby certify that, on the date shown below, this correspondence is being:

**MAILED**

deposited with the United States Postal Service with sufficient postage in first class mail in an envelope addressed to the Commissioner for Patents and Trademarks, Washington, D.C. 20231.

Date: 26 Sept 2003

**FACSIMILE**

XX transmitted by facsimile to the Patent and Trademark Office. 703-308-6778

  
 Signature

Rhonda G. Rambo

(type or print name of person certifying)

(Request for Debit (Improper Credit of Deposit Account) — page 1 of 2)

12 total pages

**II. FEES CHARGED FOR WHICH REFUND IS REQUESTED**

	<b>AMOUNT OF REFUND REQUESTED</b>
Improper charge for Supplemental Information Disclosure Statement	\$180.00
<b>TOTAL REFUND REQUESTED</b>	<b>\$180.00</b>

**III. EXPLANATION OF WHY CONTESTED CHARGE IS IN ERROR**

On September 18, 2003 we filed a response to the June 18, 2003 office action including a copy of the Supplemental Information Disclosure Statement dated June 18, 2003. This Supplemental DTS was submitted as a duplicate as no initialed copy of the PTO-1449 had been received from the Examiner.

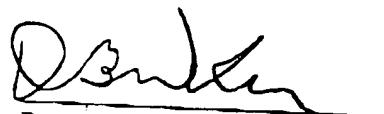
The Supplemental Information Disclosure Statement was filed before the mailing date of further examination after an RCE application filed on April 29, 2003. Therefore, no additional fees are believed to be required.

Please credit Deposit Account No. 23-0925 with the above fee amount.

**IV. MANNER OF REFUND**

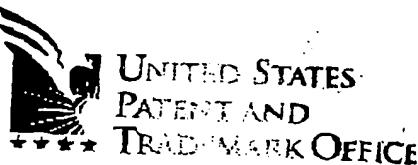
Please credit Account No. 23-0925.

Date: 9-27-03



D. Brent Kenady  
Reg. No. 40,045  
Wells St. John P.S.  
601 West First Ave., Suite 1300  
Spokane, WA 99201-3828  
Tel. No.: (509) 624-4276  
Customer No.: 021567

(Request for Debit (Improper Credit of Deposit Account)—page 2 of 2)



### Deposit Account Statement

USPTO  
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Page  
  
Finance  
Home  
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**Requested Statement Month:** September 2003  
**Deposit Account Number:** 230925  
**Name:** WELLS ST JOHN PS  
**Attention:** RHONDA RAMBO  
**Address:** 601 WEST FIRST AVENUE SUITE 1300  
**City:** SPokane  
**State:** WA  
**Zip:** 99201-3617

DATE SEQ	POSTING REF. #	ATTORNEY DOCKET NBR	FEES CODE	AMT	BAL
09/04 4	09850871	005805/CSM/C 1251		\$110.00	\$10,128.00
09/05 11	PCT/AU5 2/29/65 AV1-092	1607		\$700.00	\$9,428.00
09/05 14	PAYMENT	9203		-\$6,000.00	\$15,428.00
09/08 1	09810007	M122-1559	1301	\$750.00	\$14,678.00
09/08 526	76419668	WI52-101	7003	\$200.00	\$14,478.00
09/09 1	10157500	UL4-004	2801	\$375.00	\$14,103.00
09/09 12	78287201	DA38-102	7001	\$670.00	\$13,433.00
09/09 524	09549501		8007	\$20.00	\$13,413.00
09/10 780	78031001	AD19-108	7004	\$150.00	\$13,263.00
09/11 37	SUBSCRIPTION		8001	\$3.00	\$13,260.00
09/11 99	10071401	MI22-1921	1252	\$410.00	\$12,850.00
09/11 140	10658601	MI22-2231	8021	\$40.00	\$12,810.00
09/11 461	78286301	GO2-112	7001	\$1,675.00	\$11,135.00
09/12 6	10137501	MA64-041	1251	\$110.00	\$11,025.00
09/15 13	60320001		9204	-\$445.00	\$11,470.00
09/16 2	10137501	MA64-041	1251	-\$110.00	\$11,580.00
09/16 3	10137301	MA64-041	1814	\$110.00	\$11,470.00
09/17 44	65766809		1811	\$100.00	\$11,370.00
09/22 111	76371401	PO4-1173	7004	\$150.00	\$11,220.00
09/22 134	76371401	PO4-1174	7004	\$150.00	\$11,070.00
09/22 144	76371401	PO4-1175	7004	\$150.00	\$10,920.00
09/22 157	76174774	PO4-1144	7004	\$150.00	\$10,770.00
09/22 176	76268285	PO4-1154	7004	\$150.00	\$10,620.00
09/22 187	76268285	PO4-1155	7004	\$150.00	\$10,470.00
09/22 204	76268285	PO4-1156	7004	\$150.00	\$10,320.00
09/22 213	76238301	PO4-1151	7004	\$150.00	\$10,170.00
09/22 373	21164117	PO4-188	7205	\$100.00	\$10,070.00
09/22 374	21164117	PO4-188	7208	\$200.00	\$9,870.00
09/22 416	21164117	PO4-189	7205	\$100.00	\$9,770.00
09/22 417	21164117	PO4-189	7208	\$200.00	\$9,570.00
09/22 503	1821507	PE23-101	7208	\$100.00	\$9,470.00

09/22 504 18210 7	PE23-101	7201	\$400.00	\$9,070.00
09/23 1 P107814		1460	\$130.00	\$8,940.00
09/23 4 P47814		9203	-\$6,000.00	\$14,940.00
09/23 998 76356118	TH2-126	7003	\$100.00	\$14,840.00
09/23 1058 76412968	MC80-102	7003	\$100.00	\$14,740.00
09/24 1 P107814		1460	-\$130.00	\$14,870.00
09/24 2 P107813		1460	\$130.00	\$14,740.00
09/24 148 09148789	MI22-981	1806	\$180.00	\$14,560.00
09/24 468 78305142	KE2-147	7001	\$335.00	\$14,225.00
09/24 500 78204440	JD2-101	7001	\$335.00	\$13,890.00
09/24 1028 76184946	FA13-114	7003	\$100.00	\$13,790.00
09/25 32 SUBSCRIPTION		3001	\$3.00	\$13,787.00
09/25 850 178711	EN9-101	7205	\$100.00	\$13,687.00
09/25 851 178711	EN9-101	7201	\$400.00	\$13,287.00
09/26 51 64500000		1811	-\$100.00	\$13,387.00
09/26 360 78305511	FO35-101	7001	\$335.00	\$13,052.00

START BALANCE	SUM OF CHARGES	SUM OF REPLENISH	END BALANCE
\$10,830.00	\$9,971.00	\$12,785.00	\$13,052.00

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EV318282279

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION SERIAL NO. .... 09/148,723  
 FILING DATE ..... September 3, 1998  
 INVENTORSHIP ..... Warren M. Farnworth et al.  
 ASSIGNEE ..... Micron Technology, Inc.  
 GROUP ART UNIT ..... 3729  
 EXAMINER ..... D. Tugbang  
 ATTORNEY'S DOCKET NO. ..... M122-981  
 TITLE: Methods of Bonding Solder Balls to Bond Pads on a Substrate

EX-POST DECLARATION OF EXPRESS MAILING

I hereby declare that I have deposited the below-listed papers with the United States Postal Service "Express Mail Post Office to Addressee" service, addressed and posted as indicated below, in compliance with 37 CFR 1.10. The Express Mail label No. has been placed on or near one of the papers listed.

Express Mail Number: EV318282279 USDate of Deposit: September 18, 2003Time of Deposit: 4:37Deposited by:  Delivery to Postal Employee  Placed in Drop BoxAddressed to: PTO Step Non-Fee Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450Place of Deposit:

U.S. Post Office (Pauline S. G., Br.)  
421 West Riverside, Room 100  
Spokane, Washington 99201  
Last Scheduled Drop Box Pickup: 4:40 pm

U.S. Post Office (Rivertown, Branch)  
904 West Riverside  
Spokane, Washington 99201  
Last Scheduled Drop Box Pickup: 5:00 pm

U.S. Post Office (Terminal Annex)  
703 East Trent  
Spokane, Washington 99202  
Last Scheduled Drop Box Pickup: 9:30 pm

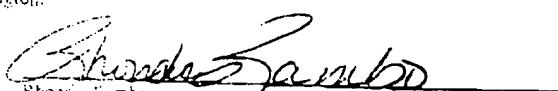
U.S. Post Office \_\_\_\_\_ Branch

Last Scheduled Drop Box Pickup: \_\_\_\_\_ am/pm

Listing Of Items Enclosed in Mailing:

1. PTO Return Receipt Envelope
2. Transmittal Form
3. Response to June 16, 2003 Office Action.

I hereby declare that the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued therefrom.

Dated this 18 day of September, 2003 at Spokane, Washington.


DBK/rts

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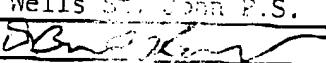
EV318 82279

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Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b> <i>(To be used for all correspondence after initial filing)</i>		Application Number: 09/148,723
Total Number of Pages in This Submission: 15	Filing Date: September 3, 1998	
	First Named Inventor: Warren M. Farnsworth	
	Art Unit: 3729	
	Examiner Name: A.D. Tugbang	
	Attorney/Counselor Number: NI22-981	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Paper	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of ED(s)	
<input type="checkbox"/> Response to Missing Parts of Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.82 or 1.83		
<del>Request NO FEES REQUIRED/NO ADDITIONAL CLAIMS ETC.</del>		
<p>The Commissioner is hereby authorized to charge any additional fees required under 37 CFR Sections 1.16 and 1.17 and credit any overpayments to: 23-0925.</p>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	D. Brent Kennedy - Reg. No. 40,045 Wells St. John P.S. - Customer No. 021567	
Signature		
Date	9-18-03	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	U.S. EXPRESS MAIL	
Signature		Date

This collection of information is required by 37 CFR 1.13. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is guaranteed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the required application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form, and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, 1450 K Street, N.W., P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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EV318242279

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 09/148,723  
 Filing Date ..... September 3, 1998  
 Inventor ..... Warren M. Farnworth et al.  
 Assignee ..... Micron Technology, Inc.  
 Group Art Unit ..... 3729  
 Examiner ..... A.D. Tugbang  
 Attorney's Docket No. .... MI22-981  
 Title: Methods of Bumping Solder Balls to Bond Pads on a Substrate

RESPONSE TO JUNE 18, 2003 OFFICE ACTION

**To:** Mail Stop Non-Fee Amendment  
 Commissioner for Patents  
 P.O. Box 9650  
 Alexandria, VA 22313-1450

**From:** D. Brian Kennedy  
 Tel. 509-924-4276; Fax 509-838-3424  
 Wells St. John P.S.  
 601 West First Avenue, Suite 1300  
 Spokane, WA 99201-3828

Responsive to the Office Action dated June 18, 2003, Applicant amends and remarks as follows:

AMENDMENTS

Underlines indicate insertions and ~~strikeouts~~ indicate deletions.

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REMARKS

Claims 1-3, 5, 8, 11, 13, 20, 22, 23, 26, 27, 30, 31, 36, 37, 45, and 48-53 remain in the application. Reconsideration of the application in view of the amendments and the remarks is requested.

Claims 1, 2, 23, 25, 27, 30, 31, 36, 37, 45, and 48-53 are allowed.

Claims 3, 6, 7, 10, 11, 13, 20, and 22 stand provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 6, 8, 11, 12, 18 and 20 of U.S. Patent Application Serial No. 10/004,172 and in view of WO 03/12738. However, this is an inappropriate double patenting rejection as Serial No. 10/004,172 is a divisional application of the present application, Serial No. 09/148,723, wherein Serial No. 10/004,172 was divided out from the present application (Serial No. 09/148,723) because of a restriction requirement of the Patent Office in the present application.

The Examiner is respectfully reminded, pursuant to 35 USC §121, "[a] patent issuing on an application with respect to which a requirement for restriction under this section has been made, or on an application filed as a result of such a requirement, shall not be used as a reference [ ] in the Patent and Trademark Office . . ." *see also*, MPEP §804.01 (8<sup>th</sup> Ed.). The present application is the parent application of divisional Application Serial No. 10/004,172 wherein the present application was presented with a restriction requirement by the Patent and Trademark Office at paper no. 5, and divisional Application Serial No. 10/004,172 is a result of that restriction. Accordingly, pursuant to the above

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authority, U.S. Patent Application Serial No. 10/004,172 can not be used as a reference for the obviousness-type double patenting rejection against the present application. Therefore, the obviousness-type double patenting rejection is inappropriate and should be withdrawn.

Since no other rejections are presented against claims 3, 6, 8, 11, 13, 20, and 22, the claims are allowable.

Further, Applicant herewith submits a duplicate copy of the Information Disclosure Statement and Form PTO-1449 filed together in this application on June 18, 2003. No initialed copy of the PTO-1449 has been received back from the Examiner. To the extent that the submitted references listed on the Form PTO-1449 have not already been considered, and the Form PTO-1449 has not been initialed with a copy being returned to Applicant, such examination and initialing is requested at this time, as well as return of a copy of the initialed Form PTO-1449 to the undersigned.

This application is now believed to be in immediate condition for allowance, and action to that end is respectfully requested. If the Examiner's next anticipated action is to be anything other than a Notice of Allowance, the undersigned respectfully requests a telephone interview prior to issuance of any

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such subsequent action.

Respectfully submitted,

Dated: 9-18-03

By:



C. Brent Kenady  
Reg. No. 40,045

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 09/148,723  
 Filing Date ..... September 3, 1998  
 Inventor ..... Warren M. Farnworth et al.  
 Assignee ..... Micron Technology, Inc.  
 Group Art Unit ..... 3729  
 Examiner ..... D. Tugbang  
 Attorney's Docket No. .... MI22-981  
 Title: Methods of Bonding Solder Balls To Bond Pads on a Substrate

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References - See attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the reference listed on the attached Form PTO-1449. No admission is made regarding whether the submitted reference is prior art.

This Supplemental Information Disclosure Statement is being filed before the mailing date of a later examination after an RCE application filed on April 29, 2003. Therefore, no fee is believed to be required. However, in the event that a fee is required for filing this Supplemental Information Disclosure Statement, please charge the fee specified under 37 C.F.R. § 1.17(p) to Deposit Account No. 23-0925.

Citation of this reference is respectfully requested.

Respectfully submitted,

**COPY**

Date: 6-18-03

  
 Brent Kenady  
 Reg. No. 40,045  
 Wells St. John P.S.  
 601 W. First Avenue, Suite 1300  
 Spokane, WA 99201-3828  
 (509) 622-4276

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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. N122-PS	SERIAL NO. (09/148,112)		
LIST OF ART CITED BY APPLICANT <small>Use several lines if necessary</small>				APPLICANT Warren M. Farmworth et al			
				FILING DATE September 3, 1991	GROUP 3729		
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Applicable
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translates Yes No
<del>MM</del>	<del>MM</del>	<del>09/148,112</del>	<del>3/26/98</del>	<del>JP</del>	<del>...</del>	<del>...</del>	<del>...</del>
	AM						
	AP						
OTHER REFERENCES (Include: Patent, Printed, Periodical Page, Etc.)							
	AO			See IDS, Paper No. 41			
	AR			(WO 98/12738 considered in PTO-1449 Form of Paper No 41)			
	AS						
	AT						
EXAMINER				DATE COMPLETED		12/10/03	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with PTOEP 5.4. Write line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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